Attorney's Docket No.: 10559-584002 Applicants: Chris E. Barns et al. Client Ref.: P12765C

Serial No.: 10/799,996

: March 12, 2004 Filed

: 2 of 12 Page

## AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application:

## LISTING OF CLAIMS:

(Previously Presented) A method for fabricating a semiconductor structure, 1. comprising:

depositing a polysilicon layer on the semiconductor substrate;

removing a portion of the polysilicon layer to form a high region and a low region;

forming a silicide layer over the semiconductor substrate;

selecting chemical mechanical polishing parameters to remove the silicide layer at a first rate and to remove the polysilicon layer at a second rate, where the first rate is higher than the second rate; and

removing a portion of the silicide layer by chemical mechanical polishing at the first rate.

(Previously Presented) The method of claim 1, wherein the high region and the 2. low region are formed before the silicide layer is formed and the portion of the silicide layer removed by chemical mechanical polishing is removed from the high region.

## (Canceled) 3-4.

Applicants: Chris E. Barns et al.

Serial No.: 10/799.996

Attorney's Docket No.: 10559-584002

Client Ref.: P12765C

Serial No.: 10/799,996 Filed: March 12, 2004

Page : 3 of 12

5. (Original) The method of claim 1, further comprising:

forming a dielectric layer over the silicide layer; and

removing a portion of the dielectric layer to expose the portion of the silicide layer before removing the portion of the silicide layer.

- 6. (Original) The method of claim 5, wherein the dielectric layer comprises silicon dioxide.
- 7. (Original) The method of claim 5, wherein the dielectric layer comprises silicon nitride.
- 8. (Original) The method of claim 5, wherein the portion of the dielectric layer is removed by chemical mechanical polishing.
- 9. (Original) The method of claim 5, further comprising forming a top layer after forming the dielectric layer and removing a portion of the top layer before removing the portion of the dielectric layer.
- 10. (Original) The method of claim 9, wherein the top layer comprises a titanium nitride layer.

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Serial No.: 10/799.996

Attorney's Docket No.: 10559-584002

Client Ref.: P12765C

Serial No.: 10/799,996 Filed: March 12, 2004

Page : 4 of 12

11. (Original) The method of claim 10, wherein the portion of the titanium nitride layer is removed by chemical mechanical polishing.

- 12. (Original) The method of claim 11, wherein the portion of the titanium nitride layer is removed with a first slurry and the portion of the dielectric layer is removed with a second slurry.
- 13. (Previously Presented) The method of claim 12, wherein a polishing rate of the titanium nitride layer with the first slurry is greater than a polishing rate of the dielectric layer with the second slurry.
- 14. (Original) The method of claim 12, wherein a polishing rate of the titanium nitride layer with the second slurry is less than a polishing rate of the dielectric layer with the second slurry.
- 15. (Currently Amended) A method for fabricating a semiconductor structure, comprising:

forming a polysilicon feature on a semiconductor substrate having an intermediate gate dielectric layer;

depositing a first metal layer over the polysilicon feature;

Applicants: Chris E. Barns et al.

Serial No.: 10/799 996

Attorney's Docket No.: 10559-584002

Client Ref.: P12765C

Serial No.: 10/799,996 Filed: March 12, 2004

Page : 5 of 12

reacting the first metal layer with the polysilicon feature to form a metal silicide;

depositing a dielectric layer over the metal silicide and the semiconductor substrate;

removing a portion of the dielectric layer over the metal silicide to expose a portion of the metal silicide;

removing the portion of the metal silicide by chemical mechanical polishing, wherein the metal silicide is removed by chemical mechanical polishing at a first polishing rate, the portion of the dielectric layer is removed at a second polishing rate, and the first polishing rate is higher than the second polishing rate;

removing the polysilicon feature to create an opening in the gate dielectric layer; removing the gate dielectric layer; and oxidizing the semiconductor substrate to form a new gate dielectric layer.

16-18. (Cancelled)

- 19. (Previously Presented) The method of claim 15, further comprising: filling the opening in the gate dielectric layer with a metal.
- 20. (Previously Presented) A method for fabricating a semiconductor structure, comprising:

depositing a material over a semiconductor substrate,
patterning the material to define a topography having a high region and a low region;

Applicants: Chris E. Barns et al.

Serial No.: 10/799.996

Attorney's Docket No.: 10559-584002

Client Ref.: P12765C

Serial No.: 10/799,996 Filed: March 12, 2004

Page : 6 of 12

forming a metal silicide in the high region of the topography and in the low region of the topography;

selecting chemical mechanical polishing parameters to remove the metal silicide at a first rate, and to remove the material at a second rate, where the first rate is higher than the second rate; and

removing the metal silicide from the high region of the topography by chemical mechanical polishing at the first rate.

- 21. (Original) The method of claim 20, wherein the high region comprises a polysilicon feature.
- 22. (Previously Presented) The method of claim 21, wherein the chemical mechanical polishing of the metal silicide is faster than the chemical mechanical polishing of the polysilicon feature.

1